DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ZBW-	ORT NO SW-ARTCC-148				
	REPORT OF AIRC	CRAFT AC	CIDENT		Boston (ZB							
1 7 7	IRCRAFT TYPE AND IDENTIFICATION		2. DATE/TIME C		CIDENT (GMT)		3 LOCATION	N OF ACCIDENT		-		
Bo	eing 767-200, (B762), AA	LII	September	11,	2001, 1246 U	IC	New Yor	rk, New York				
	ATURE OF ACCIDENT: pact With World Trade Ce	nter North To	ower		Air Carrier,		ic Flight, I	IFR Flight Plan				,
	NAME		POSITION			ADDRESS	(CITY AND ST	ATE)	UN JUF		IN- JURED	FATAL- ITY
EW	John Ogonowski		Pilot		Dracut, Massachusetts						х	
FLIGHT CREW	Thomas McGuinness		First Officer		Portsmouth, New Hampshire						X	
	Barbara Arestegui		Flight Attendant		Marston Mills, Massachusetts						х	
9	Jeffery Collman		Flight Attendant		Novato, California						х	
	Sara Low		Flight Attendan						$\top$			x
			Flight		Batesville, Arkansas			+	$\forall$			
7.0	Karen Martin		Attendar	it	Danvers, Ma	ssachus	etts		+-			X
1	f available, list names, addresses, extent ther information on continuation sheet.)	of injuries, and		ABC	MBER DARD 81 CRAFT	NUMBER UNIN- JURED	0	NUMBER INJURED 0	NUM FAT ITIE		81	
	IRCRAFT DAMAGE.				9. PROPERTY DA World Trade		North To	wer Destroyed				
	OPERATING STATUS OF NAVIGATION	AL AIDS/LIGHTS/C	OMMUNICATIONS:							_		
ATA	CONDITIONS IN ACCIDENT AREA AT TIME OF ACCIDENT:  METAR La Guardia, Flushing, New York, 0851 EDT, wind three two zero degrees at nine knots, visibility one zero statute miles, few clouds at twenty five thousand, temperature two zero degrees celsius, dew point one four degrees celsius, altimeter three zero one three; remarks - automated station with weather discriminator, sea level pressure two zero one, temperature positive, temperature twenty point zero degrees celsius, dewpoint positive, dewpoint thirteen point nine degrees celsius.											
11. WEATHER DATA	REPORT JUST PRIOR TO ACCIDENT:  METAR La Guardia, Flushing, New York, 0751 EDT, wind three two rewards at twenty five thousand, temperature one nine degrees celsis one one; remarks - automated station with weather discriminator, sea le group - point five three inches, temperature positive, temperature ninete thirteen point nine degrees celsius.				ius, dew point one four degrees celsius, altimeter three zero level pressure one nine six, twenty four hour precipitation			09/1	09/11/01 1151 UTC			
	FIRST REPORT SUBSEQUENT TO ACCIDENT:  METAR La Guardia, Flushing, New York, 0951 EDT, wind three four miles, few clouds at one thousand, scattered twenty five thousand, temp degrees celsius, altimeter three zero one three; remarks - automated state zero four, smoke, few clouds one thousand, smoke plume drifting south two degrees celsius, dewpoint positive, dewpoint thirteen point three definitions.				nperature two two degrees celsius, dew point one three ation with weather discriminator, sea level pressure two theast, temperature positive, temperature twenty two point			09/1	09/11/01 1351 UTC			
	NAME FACILITY				OPERATING POSITION					CHECK IF EYEWITNESS		
	Stephen Roebuck	*(SR)	Boston ARTC		Sector 47 Radar							
	Richard Beringer	(RB)	Boston ARTC		Sector 47 Radar Associate							
a	Peter Zalewski Brazalino Martins	(ZP) (NO)	Boston ARTC Boston ARTC		Sector 46 Radar Sector 38 Radar						N. J. N. Park	
12. ATS PERSONNEL INVOLVED	Shirley Kula	(SO)	Boston ARTC		Sector 38 Radar Associate							
N	David McGlauflin	(CC)	Boston ARTC		Sector 09 Radar							
핔	Glen Poncet	(PN)	Boston ARTC		Sector 09 Radar Associate							
NO.	Maria Moran	(ET)	Boston ARTC	_	Sector 10 Radar Associate							
ERS	Michael Royer	(RY)	Boston ARTC	_	Sector 10 Radar Sector 39 Radar							
TSP	Thomas Roberts (RT) Boston ARTCC William Smith (PU) Boston ARTCC			Sector 39 Radar								
12. A	Scott Johnson	(10)	Boston ARTCC		Sector 36 Radar Associate							
	Jonathan Schippani	(SH)	Boston ARTC		Area C Operations Supervisor							
	Donald Larson	(LN)	Boston ARTC	c ]	Sector 10 Radar							
•	ather Hemdal	5/	lal		4							

### DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION REPORT OF AIRCRAFT ACCIDENT

REPORT DATE November 13, 2001 REPORT NO ZBW-ARTCC-148

3. NAME OF REPORTING FACILITY

14. CHRONOLOGICAL SUMMARY OF FLIGHT (including control or other services provided by ATS facilities, and emergency action taken.)

Boston (ZBW) ARTCC (Continuation Sheet)

September 11, 2001

#### ALL TIMES BELOW ARE COORDINATED UNIVERSAL TIME UNLESS OTHERWISE SPECIFIED

- 1205 American Airlines Inc. Flight 11 (AAL11) reported on Sector 47 Radar position's (47R) frequency leaving 11,000 feet for 14,000 feet and was issued flight level two three zero and direct routing to the Chester (CTR), MA VOR.
- 1208 47R issued AAL11 a frequency change to Boston ARTCC frequency 127.82. AAL11 acknowledges frequency change.
- 1209 AAL11 reported on Sector 46 Radar position's (46R) frequency leaving Flight Level one nine zero for Flight Level two three zero. Sector 46 Radar Position (46R) instructed AAL11 to climb and maintain Flight Level two eight zero. AAL11 acknowledges clearance.
- 1210 46R instructed AAL11 to climb and maintain Flight Level two niner zero. AAL11 acknowledges clearance.
- 1211 46R issued AAL11 merging target procedure for traffic at Flight Level three one zero. AAL11 acknowledges the advisory.
- 1213 46R issued AAL11 a twenty degree right turn. AAL11 acknowledges clearance. 46R issued AAL11 Flight Level three five zero. AAL11 does not reply. 46R re-issued AAL11 Flight Level three five zero. AAL11 does not reply.
- 1214 46R broadcasts over frequency for AAL11. AAL11 does not reply. 46R broadcasts over frequency for AAL11. AAL11 does not reply, 46R attempts contact with AAL11, AAL11 does not reply, 46R completed coordination with Sector 38 Radar Position (38R) concerning AAL11 and advises aircraft in turn and not responding.
- 1215 46R attempts contact with AAL11. AAL11 does not reply. 46R attempts contact with AAL11 and asks AAL11 to ident. AAL11 does not reply. No ident observed from AAL11.
- 1216 46R attempts contact with AAL11 via frequency 121.5 and restates frequency AAL11 should be monitoring. AAL11 does not reply. 38R attempts twice to contact AAL11. AAL11 does not reply.
- 1217 46R attempts contact with AAL11. AAL11 does not reply. 46R attempts contact with AAL11 and requests AAL11 to ident. AAL11 does not reply. No ident observed from AAL11.
- 1218 46R attempts contact with AAL11. AAL11 does not reply. 38R attempts contact with AAL11. AAL11 does not reply. Sector 38 Radar Associate Position (38RA) requests Sector 47 Radar Associate Position (47RA) to query Boston Approach to determine if AAL11 has returned to Boston Approach frequency.
- 1220 46R attempts contact with AAL11. AAL11 does not reply. Sector 39 Radar Position (39R) requests American Airlines Flight 269 (AAL269) to attempt to contact AAL11 on company frequency. Last transponder return from AAL11 at 1220:48 UTC. All further radar data is primary target only.
- 1221 38R attempts contact with AAL11. AAL11 does not reply.
- 1222 46R attempts contact with AAL11. AAL11 does not reply.
- 1223 38R attempts contact with AAL11. AAL11 does not reply. Sector 36 Radar Position (36R) broadcasts on frequency 121.5 for AAL11 asking aircraft to ident. AAL11 does not reply. No ident observed from AAL11.39R advises AAL269 that AAL11 may have an electrical problem as AAL11's transponder is not operating.
- 1224 36R broadcasts on frequency 121.5 for AAL11. Unknown transmission on Sector 46 frequency. 46R asks if AAL11 is trying to call on frequency. Unverified source transmits, believed to be hijacker. 46R queries twice as to who is calling on frequency. No reply. Unverified source transmits, believed to be hijacker.

# DEPARTMENT TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

## REPORT OF AIRCRAFT ACCIDENT

(Continuation Sheet)

November 13, 2001

ZBW-ARTCC-148

3 NAME OF REPORTING FACILITY

Boston (ZBW) ARTCC

- 14 CHRONOLOGICAL SUMMARY OF FLIGHT (including control or other services provided by ATS facilities, and emergency action taken.)
- 1225 Sector 47 Radar Position (47R) advises 38R of hijack. Sector 39 Radar position (39R) completed coordination with Sector 09 Radar Position (09R) and advises AAL11 is not in communication with Boston Center and transponder is not operating.
- 1226 38RA advises 09R that AAL11 is a hijack and that they have amended the flightplan database to coincide with current heading.
- 1227 Sector 39 Radar Associate Position (39RA) completed coordination with Sector 22 Radar Position (22R) concerning
  AAL11 and advises aircraft is not in communication with Boston Center and transponder is not operating, and that aircraft
  might land at the Albany, NY Airport (ALB). Boston ARTCC Supervisory Traffic Management Coordinator (STMC)
  advises the Air Traffic Control System Command Center (ATCSCC) East Position that AAL11 is possible hijack.
- 1228 38RA completed coordination with Sector 20 Radar Associate Position (20RA) concerning AAL11 and advises of hijack situation and attempts to communicate with aircraft. 09R requests American Airlines Flight 1757 (AAL1757) to attempt to contact AAL11 on company frequency. 39R advise AAL269 to discontinue attempts to contact AAL11.
- 1229 38RA completed coordination with Sector 24 Radar Position (24R) concerning AAL11 and advises of hijack situation. New York ARTCC (ZNY), Cleveland ARTCC (ZOB) and Boston ARTCC (ZBW) conference with ATCSCC East position regarding status of AAL11.
- 1230 Boston Approach (A90) advises AAL11 is not on A90 frequency. Sector 36 Radar Associate Position (36RA) requests 22R to obtain a visual altitude verification of AAL11 from a Delta Airlines Flight. 22R advises the Delta Airlines Flight is no longer under his control and to try Sector 21. Sector 10 Radar position (10R) requests a visual altitude verification of AAL11 from Delta Airlines Flight 9930 (DAL9930).
- 1231 38RA completed coordination with Sector 05 Radar Position (05R) concerning AAL11 and advises of hijack situation. Sector 36 Radar Associate position (36RA) requests Sector 21 Radar position (21R) to have an aircraft under 21R control to verify altitude of AAL11. DAL9930 advises 10R that AAL11 is approximately six thousand feet below his altitude.
- 1232 Sector 09 Radar Associate Position (09RA) queries 38RA if they have tried frequency 121.5 for AAL11. Sector 38RA confirms 121.5 attempts.
- 1233 Unverified source transmits, believed to be hijacker.
- 1234 ZBW STMC coordinates with Cape TRACON (K90) regarding a military scramble on AAL11.
- 1235 20RA advises New York ARTCC Kennedy Sector (ZNY56) that AAL11 is heading for his airspace and is not in communication with Boston Center and transponder is not operating and altitude is not verified.
- 1236 Sector 20 Radar Position (20R) requests a visual altitude verification of AAL11 from US Airways Flight 583 (USA583). USA583 estimates AAL11's altitude to be twenty nine thousand feet.
- 1237 24R attempts twice to contact AAL11. AAL11 does not reply. 20RA advises ZNY56 that there are threatening transmissions coming from the cockpit of AAL11 and AAL11 is projected to enter New York Center Airspace. Sector 20 Radar Position (20R) requests a visual altitude verification of AAL11 from United Airlines Inc Flight 175 (UAL175). ZBW Military Operations Position contacts Northeast Air Defense Sector (NEADS) to advise of hijack situation and requests fighters to scramble on AAL11.
- 1238 UAL175 estimates AAL11's altitude to be between twenty-seven and twenty eight thousand feet. New York ARTCC Elmira Sector (ZNY34) Supervisor queries the position of AAL11. 10R advises ZNY34 Supervisor of AAL11's position and that AAL11 is a confirmed hijack.
- 1240 ZBW STMC requests ATCSCC East position to coordinate a conference call with New York TRACON (N90) reference status of AAL11.
- 1241 20RA advises ZNY56 of AAL11's current position.

DEPARTMENT	<b>UF TRANSPORTATION</b>
FEDERAL AVIA	TION ADMINISTRATION
SEROBE OF A	IDCDAFT ACCIDENT

1 REPORT DATE November 13, 2001

ZBW-ARTCC-148

REPORT OF AIRCRAFT ACCIDENT

3 NAME OF REPORTING FACILITY (Continuation Sheet)

14. CHRONOLOGICAL SUMMARY OF FLIGHT (including control or other services provided by ATS facilities, and emergency action taken.)

Boston (ZBW) ARTCC

1242 - Unknown New York ARTCC Sector advises 20RA that United Airlines Inc. Flight 175 (UAL175) heard a suspicious transmission when they were leaving Boston.

-	171 - 1 -	C	0
6.	HIIONE	TPW	Continued.

NAME	POSITION	ADDRESS (CITY AND STATE)	<b>FATALITY</b>
Kathleen Nicosia	Flight Attendant	Unknown	X
Betty Ong	Flight Attendant	Andover, Massachusetts	X
Jean Roger	Flight Attendant	Longmeadow, Massachusetts	X
Dianne Snyder	Flight Attendant	Westport, Massachusetts	X
Madeline Sweeney	Flight Attendant	Acton, Massachusetts	X

### 12. ATS Personnel Involved, Continued.

ACILITY Oston ARTCC Oston ARTCC Oston ARTCC	OPERATING POSITION Sector 47 Radar Sector 47 Radar Associate Sector 39 Radar Associate
oston ARTCC oston ARTCC	Sector 47 Radar Associate Sector 39 Radar Associate
oston ARTCC	Sector 39 Radar Associate
ston ARTCC	Sector 22 Radar
oston ARTCC	Sector 21 Radar
oston ARTCC	Sector 05 Radar
oston ARTCC	Sector 46 Radar Associate
oston ARTCC	Sector 20 Radar Associate
oston ARTCC	Sector 20 Radar
oston ARTCC	Operations Manager In Charge
oston ARTCC	Supervisory Traffic Management Controller In Charge
oston ARTCC	Traffic Management Departure Spacing
oston ARTCC	Military Position
	A STANCE OF THE
	oston ARTCC

No More Follows